

LAMPIRAN 1. Spesifikasi Gelatin

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Nitta Gelatin India Limited

(Formerly Nitta Chemicals and Proteins Limited)

CERTIFICATE OF ANALYSIS

QSF/CA/04/011/R2
REF: CA/484/0709-10
DATE: 2008/2009

DATE: 11/06/2009

Product Name: Gelatine Lined Bone Edible Grade 160 Bloom #20 Mesh			Customer Name:		
Lot No. ED 090228A					
Date of Manufacturing : 26 th June 2009			Date of Expiry : 25 th June 2014		
Sl.No.	PROPERTIES	UNIT	SPECIFICATIONS	TEST RESULT	TEST METHODS
1	BLOOM	g	160 ± 10	170	GMIA
2	pH	-	5.80 ± 0.4	5.99	JIS
3	LOSS ON DRYING	%	< 15	10.84	JIS
4	RESIDUE ON IGNITION	%	< 2	0.6	JIS
5	ARSENIC	ppm	< 0.8	< 0.8	USP
6	HEAVY METALS	ppm	< 50	< 50	BP
7	SULPHUROXIDE	ppm	< 50	4.8	BP
8	TOTAL BACTERIAL COUNT	ctu / gm	Max 1000	10	USP
9	E.COLI	/ 10 gm	Negative	Negative	USP
10	SALMONELLA	/ 10 gm	Negative	Negative	USP
11	PARTICLE SIZE DISTRIBUTION	mesh	# 20 Pass	Complies	IM

IM: In house test method

For Nitta Gelatin India Limited

Dr. J.S.Suresh kumar

Dy. Gen. Manager (Quality Assurance)

LAMPIRAN 2. Spesifikasi Sirup Glukosa

Produk : Sirup Glukosa

Parameter Analisa	Standar	Hasil
Visual (Lovibond)	Clear	Clear
Brix (20°C)	83,0-86,0	84,6
Dextrose Equivalent	36,0-44,0	42,46
Sulfur Dioxide (ppm)	Max 300	109,63
Amilum	Negatif	Negatif
Stability	Normal	Normal

Sumber: CV Tristar Chemical, 2010

LAMPIRAN 3 Spesifikasi Buffer Sitrat

Produk : Sodium Sitrat

Analysis Term	Quality Index	Actual Test
Content	99,00-101,00%	99,92%
Acidity or Alkalinity not more than	0,2	0,11
Solubility	Comply with the test	Comply with the test
Characteristic	White crystals	White crystals
Clarity and Color in Solution	Colorless and clear	Colorless and clear
Chloride not more	50 ppm	45 ppm
Sulphate not more	150 ppm	100 ppm
Readily Carbonisable substances	Not Deeper than standard	Not Deeper than standard
Oxalate not more than		
Heavy metals not more than	300 ppm	250 ppm
Water	10 ppm	4 ppm
Identification	11,00-13,00%	12,19%
	Comply with the test	Comply with the test

Sumber: CV Tristar Chemical, 2010

**LAMPIRAN 4 Komposisi Kimia Kelopak Bunga Rosela per 100 g
Rosela**

Produk : Rosela merah

Komposisi	Jumlah
Kalori	49 Kal
Protein	1,9 g
Lemak	0,1 g
Karbohidrat	12,3 %
Beta-karotene	3,0 g
Serat	1,2 g
Abu	1,2 g
Kalsium (Ca)	0,0172 mg
Phospor (P)	0,57 mg
Besi (Fe)	0,029 mg
Asam askorbat	0,14 mg

Sumber: “Balqis” Agrobis Blitar-Jawa Timur, 2010